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In re Application of: Yoram REITER
Serial No.: 10/075,257
Filed: February 25, 2002
Office Action Mailing Date: August 30, 2007

Examiner: VANDERVEGT, F. P.
Group Art Unit: 1644
Attorney Docket: 02/23338

REMARKS

Reconsideration of the above-identified application in view of the amendments above and the remarks following is respectfully requested.

Claims 1-14 are in this Application. Claims 1-4 have been withdrawn from consideration. Claims 5-14 have been rejected under 35 U.S.C. § 103.

Applicant points out that claims 15-20 which were presented in the previous response dated June 11, 2007, were not considered by the Examiner.

Withdrawn claims 1-4 have been cancelled herewith. Claims 5 and 7-20 have been cancelled herewith. New claims 21-35 have been added herewith.

Amendments To The Claims

35 U.S.C. § 103 Rejections

The Examiner has rejected claims 5-14 under 35 U.S.C. § 103(a) as being unpatentable over Altman et al. (Proc. Nat. Acad. Sci. USA; 1993, 90: 10330-10334) in view of Matsumura et al. [J. Biol. Chem.; 1992, 267 (33): 23589-23595]. Examiner's rejections are respectfully traversed. Cancellation of claims 5-14 renders the § 103 rejections moot. However, in order to expedite prosecution, Applicant identifies those limitations in the new claims 21-35 which render them patentable over Altman in view of Matsumura.

With regard to claim 21:

Applicant notes that neither Altman et al. nor Matsumura et al. or the combined teachings thereof teach expression in bacteria of a single chain MHC class I polypeptide comprising a functional mammalian β -2 microglobulin covalently linked to a functional mammalian MHC class I heavy chain, and refolding of same in the presence of an antigenic peptide so as to obtain a plurality of identical complexes which are recognizable by one CTL clone.

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With regard to claims 22-34:

Applicant notes that neither Altman et al. nor Matsumura et al. or the combined teachings thereof teach isolation of the MHC-1 complexes from the bacterial inclusion bodies by refolding the single chain MHC class I polypeptide in a presence of an antigenic peptide under renaturation conditions.

With regard to claim 35:

Applicant notes that since neither Altman et al. nor Matsumura et al. teach expression of a single chain MHC class I, needless to say that the position of β 2m upstream of the MHC class I heavy chain is not disclosed.

Support for new claim 21 can be found in Page 13 (lines 9-19), 14 (lines 1-6), 17 (lines 15-19), 18 (lines 1-2), 46 (lines 4-19), 58 (lines 5-16); Support for new claim 22 can be found in Page 46 (lines 17-19); Support for new claim 23 can be found in Page 8 (lines 14-19), 9 (lines 1-3); Support for new claim 24 can be found in Page 12 (lines 4-6); Support for new claim 25 can be found in Page 12 (lines 7-9); Support for new claim 26 can be found in Page 12 (lines 10-13), 67 (lines 4-7); Support for new claim 27 can be found in Page 8 (lines 14-19), 9 (lines 1-3), 13 (lines 1-3); Support for new claim 28 can be found in Page 13 (lines 4-8); Support for new claim 29 can be found in Page 46 (lines 10-15); Support for new claim 30 can be found in Page 67 (lines 4-7); Support for new claim 31 can be found in Page 46 (lines 10-15); Support for new claim 32 can be found in Page 46 (lines 10-15); Support for new claim 33 can be found in Page 46 (lines 10-15); Support for new claim 34 can be found in Page 46 (lines 10-15); Support for new claim 35 can be found in Page 7 (lines 2-6), 8 (lines 14-19), 9 (lines 1-3), 22 (lines 17-19), 23 (lines 1-2) of the instant application.

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In view of the above arguments, remarks and addition of new claims Applicant believes to have overcome the 35 U.S.C. § 103(a), rejections.

A prompt notice of allowance is respectfully and earnestly solicited.

Respectfully submitted,



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Date: October 30, 2007

Encl:

Request for Continued Examination (RCE)